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Attorney Docket No. 15966-601 (Cura-101)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Gould Rothberg *et al.*
SERIAL NUMBER: 09/717321 EXAMINER: Not Yet Assigned
FILING DATE: November 20, 2000 ART UNIT: Not Yet Assigned
FOR: METHOD OF IDENTIFYING TOXIC AGENTS USING NSAID-INDUCED
DIFFERENTIAL GENE EXPRESSION IN LIVER

April 23, 2001
Boston, Massachusetts

Box IDS
Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

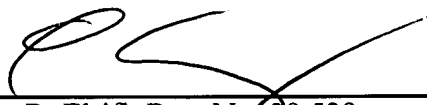
Transmitted herewith for filing in the present application are the following documents:

- ☒ Information Disclosure Statement (3 pages);
- ☒ Modified Form 1449/PTO duplicate copy (2 pages);
- ☒ Copies of Cited references: A1, C1-C23.
- ☒ Return Postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at 617/542-6000, Boston, Massachusetts.

No fee is believed to be due. However, if any fees are to be assessed, the Commissioner is hereby authorized to charge the balance due to the undersigned's account, Deposit Account No. 50-0311 (Reference 15966-601 (Cura-101)). A duplicate copy of this transmittal letter is enclosed.

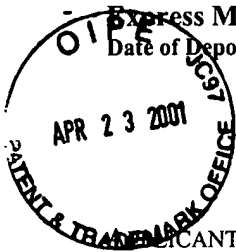
Respectfully submitted,


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INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references.

U.S. Patent Documents:

5,871,697	February 16, 1999	CuraGen Corporation	October 24, 1995
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Other Prior Art – Non Patent Literature Documents:

Adams, et al., 2000 "The genome sequence of *Drosophila melanogaster*." Science 287:2185-2195.

GenBank Accession Number: **Q9VIA2**

Ayte, et al., 1990 "Rat mitochondrial and cytosolic 3-hydroxy-3-methylglutaryl-CoA synthases are encoded by two different genes." Proc. Natl. Acad. Sci. U.S.A. 87, 3874-3878. GenBank Accession Number: **M33648**

Cui, et al., 1983 "Cloning and expression of a novel phosphatidylethanolamine N-methyltransferase. A specific biochemical and cytological marker for a unique membrane fraction in rat liver." J. Biol. Chem. 268 (22), 16655-16663. GenBank Accession Number: **L14441**

Donaldson, et al., 1993 "Expression of rat liver ketohexokinase in yeast results in fructose Intolerance." Biochem. J. 291, 179-186. GenBank Accession Number: **M86235**

Dziuda, D. (1990). "Specialized PC software package for creation of computer systems supporting partial diagnostics based on numerical results of medical examinations." Med Inform (Lond) 15 (4): 319-26.

Furuta, et al., 1986 "Complete nucleotide sequence of cDNA and deduced amino acid sequence of rat liver catalase." Proc. Natl. Acad. Sci. U.S.A. 83, 313-317. GenBank Accession Number: **M11670**

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U.S.S.N.: 09/717,321

- Heikkinen, S., 2000 "Mouse hexokinase II gene: structure, cDNA, promoter analysis, and expression pattern." Mamm. Genome 11 (2): 91-96. GenBank Accession Number: **AJ238540**
- Ishidoh, et al., 1991 "Molecular cloning of cDNA for rat cathepsin C. Cathepsin C, cysteine proteinase with an extremely long propeptide." J. Biol. Chem. 266 (25), 16312-16317. GenBank Accession Number: **D90404**
- Lacson, et al., 1994 "Dideoxy sequencing and structural analysis of the rat insulin-like growth factor binding protein-1 gene." Biochim. Biophys. Acta 1218 (1), 95-98. GenBank Accession Number: **L22979**
- Lafreniere, et al., 1996 "Isolation and characterization of GT335, a novel human gene conserved in Escherichia coli and mapping to 21q22.3." Genomics 38 (3): 264-272. GenBank Accession Number: **U53003**
- Lee, et al., 1998 "Rat Genome Project: Generation of a Rat EST (REST) Catalog & Rat Gene Index." Direct Submission. GenBank Accession Number: **AI169175**
- Lee, et al., 1998 "Rat Genome Project: Generation of a Rat EST (REST) Catalog & Rat Gene Index." Direct Submission. GenBank Accession Number: **AA851963**
- Matos P., 2000 "Small GTPase Rac1: Structure, Localization, and Expression of the Human Gene." Biochem. Biophys. Res. Commun. 277 (3): 741-751. GenBank Accession Number: **AJ132695**
- Meier, E. 1990 Direct Submission. GenBank Accession Number: **X52713**
- Meier, E., 1990 "Activity of rat Mx proteins against a rhabdovirus." J. Virol. 64 (12): 6263-6269. GenBank Accession Number: **P18590**
- Nagamine, et al., "Isolation of cDNA for a novel human protein KNP-I that is homologous to the E. coli SCRP-27A protein from the autoimmune polyglandular disease type I (APECED) region of chromosome 21q22.3." Biochem. Biophys. Res. Commun. 225 (2), 608-616. GenBank Accession Number: **P30042**
- Ohtsuka K., 1999 "Mammalian HSP40/DNAJ homologs: Cloning of novel cDNAs and proposal RT for the classification and nomenclature." Direct Submission. GenBank Accession Number: **Q9UBS4**
- Shinkets, R. A., D. G. Lowe, et al. (1999). "Gene expression analysis by transcript profiling coupled to a gene database query." Nat Biotechnol 17 (8): 798-803.
- Soares, MB, 2000 Direct Submission. GenBank Accession Number: **AW435096**
- Sowden, et al. 1997 "Rat betaine-homocysteine methyltransferase (BHMT) mRNA." Direct Submission. GenBank Accession Number: **AF038870**
- Watabe, et al., 1994 "Molecular cloning and functions of rat liver hydroxysteroid sulfotransferases catalysing covalent binding of carcinogenic polycyclic arylmethanols to DNA." Chem. Biol. Interact. 92 (1-3), 87-105. GenBank Accession Number: **D14989**
- Wilson R., 1994 "RT "2.2 Mb of contiguous nucleotide sequence from chromosome III of C.RT elegans." Nature 368:32-38. GenBank Accession Number: **Q19527**
- Zimmermann, R. 1999 Direct Submission. GenBank Accession Number: **AJ250137**

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This Information Disclosure Statement is being filed before the mailing date of the first Office Action.

A copy of each of the above-identified information is enclosed unless otherwise indicated on the attached Form PTO-1449 (modified). It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed form PTO-1449 to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that: (1) a search has been performed, of the extent of any search performed, or that more relevant information does not exist; (2) the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b); and (3) the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his/her own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested. Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 15966-601 (Cura 101).

Respectfully submitted,



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